BIOLOGY

Quick Arabidopsis DNA extraction for genotyping

Day 1

10X EXTRACTION BUFFER:	**For 10 mL**
200mM TRIS-HCL pH 7.5	200uL TRIS-HCl 1M pH 7.5
250 mM NaCl	500uL NaCl 5M
25mM EDTA	500uL EDTA 0.5M
0.5% SDS	500uL SDS 10%

Dilute the 10X EXTRACTION BUFFER TO 1X

DILUTE THE 10X EXTRACTION BUFFER TO 1X (1mL of 10x + 9mL of H_2O)

Procedure:

1. Add 2 steel bearings into a 1.5mL tube
2. Take a leaf sample with the whole puncher or cut it with scissors and put it into an 1.5mL eppendorf tube.
3. add 100uL of Extraction Buffer and keep grinding
4. Grind the tissue in the beat beater.
5. Centrifugue 10 min at max speed
6. Take 50uL of the suppernatant into a new tube
7. Add 50uL of H_2O
8. Take 2uL for a 12uL PCR reaction